Gotek Telecom

GOTEK TELECOM

Introduction to Gotek Telecom Company Profile

Gotek Introduction

Description

Gotek is a Mobile Virtual Network Enabler (MVNE) that offers a vertically integrated Network-as-a-Service platform and global connectivity service.

We deliver a global wireless network and infrastructure to customers, with every component of service, technology & management. Thus, providing access to every network in the world with redundant, high-performance, quality coverage.

We Simplify Global Roaming

What is Gotek Plus ?

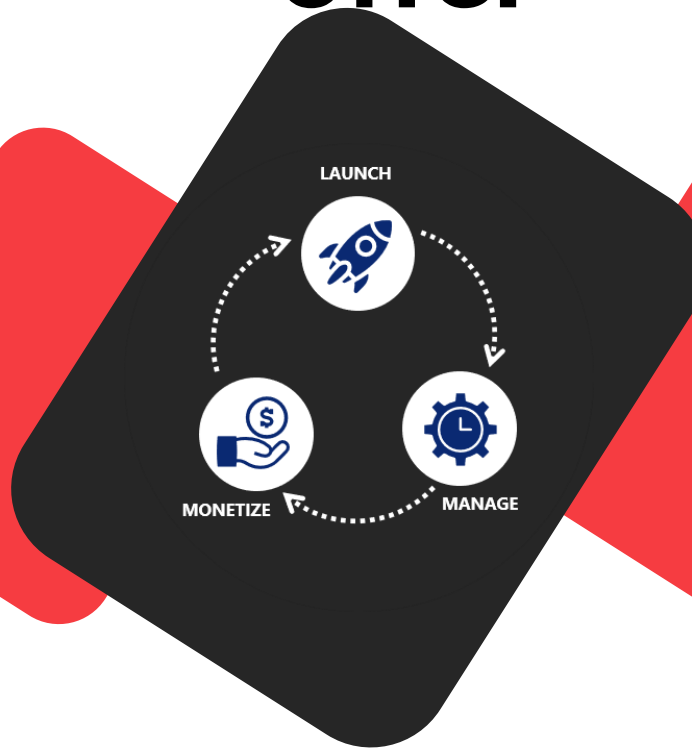
Gotek Plus is a brand owned and operated by Gotek Telecom, that offers transparent connectivity solutions to travelers from all around the world. We help our users stay connected in 200+ countries and territories, providing the lowest rates. You Travel – We Connect !

GOTEK PLUS

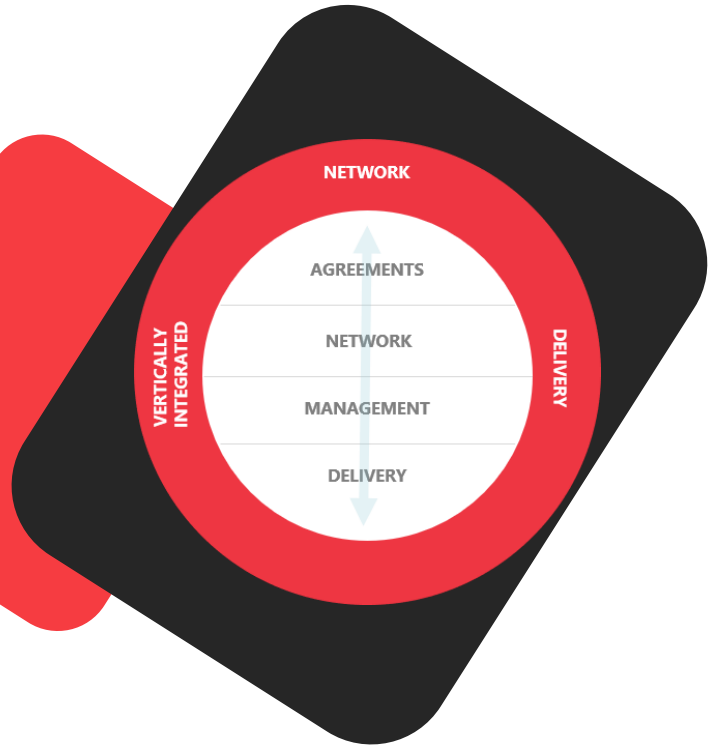
- **Internet Roaming SIM Card**
- **eSIM Roaming Internet**
- **Gotek Plus Mobile APP**

What we offer

TRANSPARENT, FLEXIBLE, AND REAL-TIME MANAGEMENT TOOLS



GLOBAL CONNECTIVITY PLATFORM



END-TO-END SOLUTION

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About us

Get to know us, Mission & Vission, History

About us

Gotek Telecom LTD is newly established telecom company, the result of more than 25 years of experience in Telecom. Our experience grew parallel to the telecom industry and information technology. Starting from international calling cards, international sim cards, VOIP, GSM Roaming, moving to the back-ends empowering MVNO / MNO companies with the latest telecom technology and partnering with telecom companies & groups gave us our edge to be the leaders in providing innovative telecom technology. As the telecom industry grows, we are part of it, pushing the technology and re-shaping it to fit the best customer experience, retail markets, and Wholesale with whitelabel solutions; the outcome of all this vast experience, Gotek Telecom LTD was established in 2020 to provide the latest telecom technology with the best quality and lowest prices.

“We Simplify & Believe in a Global Borderless Telecom Network”

Vision and Mission

Company Vision

Gotek emphasizes the growth of telecom to exceed its potentials, by innovating ideas and reshaping the telecom technology to provide a simple reliable solution for the end-user. Gotek believes in a borderless Global Telecom Network.

Company Mission

Moving in parallel to the telecom industry Gotek Telecom innovates the latest technology to provide the best quality with the lowest prices, simplifying Telecom Technology for the end-user.

History Timeline

1996

We started our experience with the old legacy telecom platforms to upgrade and introduce to the market, such as VOIP & International Calling Cards

2006

We kept on testing and experimenting with new telecom ideas turning the experience into telecom knowledge

2010

Turning our knowledge & ideas into a global market of telecom producing different products and services such as, Global Multi-DID numbers, International GSM Roaming SIM Cards, etc

2014

Combining our telecom knowledge with our innovation of products, we built a powerful reliable telecom network infrastructure

2017

We kept on advancing with the Telecom industry to reach a point of success enabling a powerful Telecom Hub & a Network Core

2020

Started Gotek Telecom in Canada using a reliable powerful infrastructure with a vast experience in telecom applications, simplifying solutions to the consumer

Products & Services

End-User / Industrial level solutions & applications

Our Services

MVNO/MVNE

GoTek Telecom your global connectivity partner with true end-to-end solutions

Internet SIM Cards & eSIM

universal SIM card / eSIM provides global, high-speed, multi-carrier 4G LTE and 3G data coverage for any IoT/M2M application.

OEM & Wholesale

GoTek's eSIM iUICC solutions provide unparalleled flexibility and control through cloud-based management tools, centralized management of all devices with access to multiple rate sheets, real-time billing, and remote provisioning.

IoT

GoTek Global enables connectivity and management for IoT devices. Our eSIM cloud-based technology makes IoT deployment process simple and efficient, delivering maximum value with customized solutions.

Internet Roaming SIM Card

GoTek Telecom multi-IMSI network provides redundancy, coverage, and reliable local connectivity. The global decentralized network offers faster connection speeds and lower latency, while significantly reducing costs for high-volume data transfers. Save up to 90% on international data roaming. Stay Longer – Roam Faster.

- Coverage in 200+ Countries
- High-speed 4G LTE and 3G Data
- Better service and lower latency
- Real-time, OTA SIM provisioning

eSIM Profile

Description

Scan a QR Code and receive a SIM profile over the air and Connect to local networks around the world with no physical SIM card required.

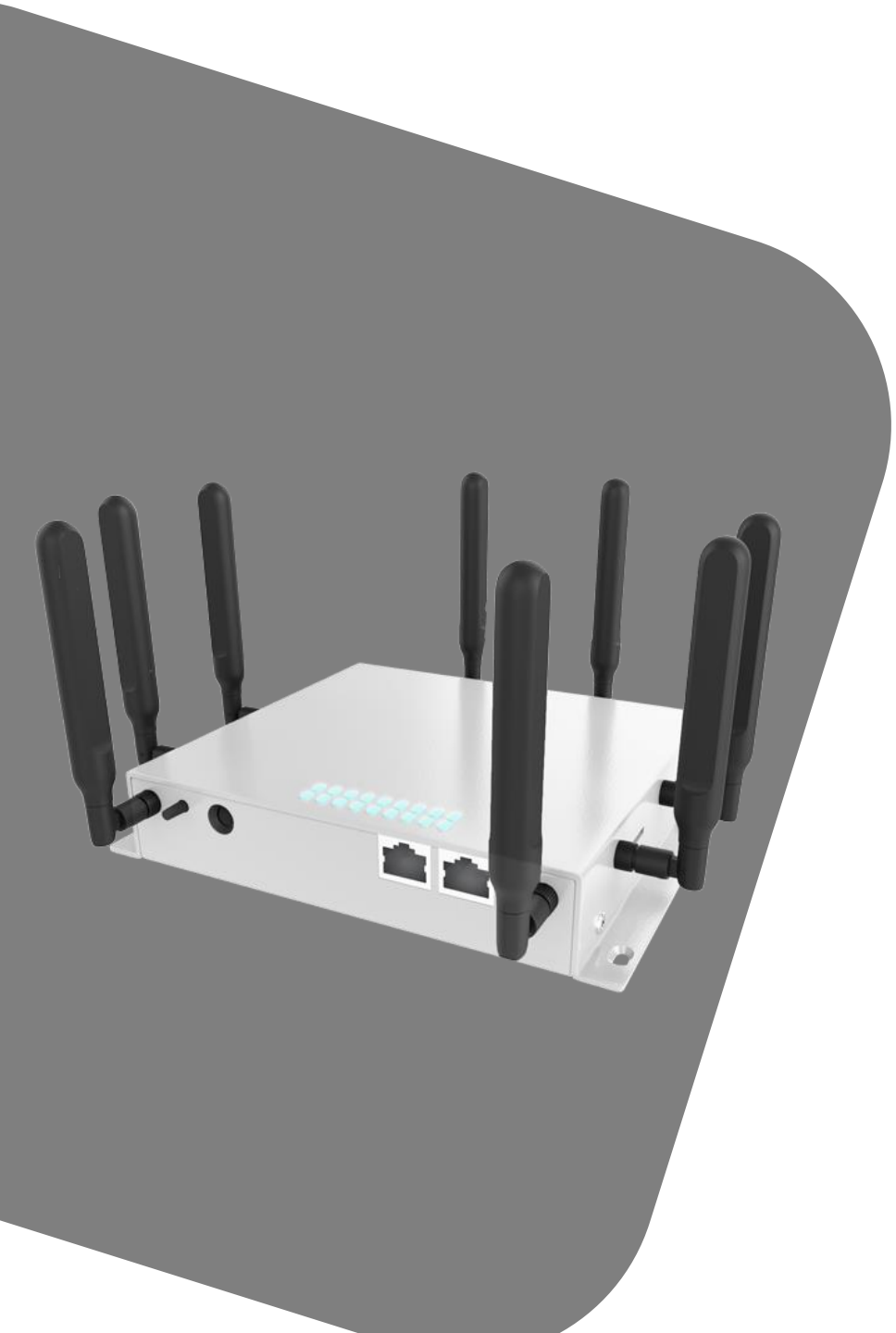
Access the safest and fastest networks without SIM cards

Switch between home carrier and other networks instantly

Stay in control of your data usage costs– no contracts needed

eSIM is an electronic SIM that allows you to activate a cellular plan without having to use a physical SIM card. It allows users to access their SIM profile over the air (OTA) and connect seamlessly to local networks around the world. It is delivered to the subscriber's device by scanning a QR code.

Check Website for eSIM compatible phones



IoT Connect

The only enterprise-grade, multi-modem, multi-IMSI eSIM router that comes out-of-box with global 4G LTE connectivity.

- Flexible modular configuration—up to 4 multi-band modems
- Load-balanced and bonding-capable
- Global band coverage
- Compatible latest generation (Cat 4, Cat 6, Cat 11, Cat 12, Cat M1, etc.)
- Customized connectivity solutions are available
- Complete cloud-based OTA management and control
- Location tracking—GPS optional

IoT Connect

High-bandwidth, global connectivity eSIM router for your enterprise needs

Fully Reliable

- Regardless of location, you can connect to a network that services that area
- Multi-carrier support for diverse redundancy

Easy to Manage

- Cloud-based management tools
- SIM-free devices managed remotely

Affordable

- By pooling bandwidth, you can enjoy optimum data rates
- Consumption-based rates—only pay for what you use

Benefits Gotek IoT Platform Offers

Flexible Business Model

GoTek Telecom cloud platform for IOT and M2M can be fully deployed in short time, with no capex cost. We offer flexible pricing structures, one simple invoice for all connected devices. There are no activation fees and all data consumption is usage based. This helps you to reduce implementation costs and optimize ROI for all your IoT projects.

Easy to Manage

GoTek Telecom eliminates the hassle of working with multiple operators by providing a universal billing system with one management portal, one sim, one invoice, one global partner.

We offer customized solutions for your IoT needs including connectivity, provisioning, monitoring and remote diagnosis. White-label solutions are also available and accompanied by a management app to support unique delivery mechanisms such as iUICC, eSIM, and SIM Sticker.

API-Based Solution

GoTek's end-to-end solution connects devices to your primary networks, while ensuring backup connectivity to secondary networks, and the flexibility to switch when necessary. We provide a scalable Network-as-a-Service (NaaS) platform, full flexible API Integration, and over-the-air remote SIM provisioning to leverage local network profiles for improved performance.

Cloud Device Management

Our cloud-based and easy-to-use management portal allows you to manage, monitor and monetize all devices. Information can be viewed related to location, connection status, and real-time data usage. Customized packages and alerts can also be created for your IoT devices.

MULTI-NETWORK GLOBAL CONNECTIVITY IN 200+ COUNTRIES

ONE GLOBAL PARTNER, ONE SIM, ONE INVOICE, FOR THE ENTIRE WORLD

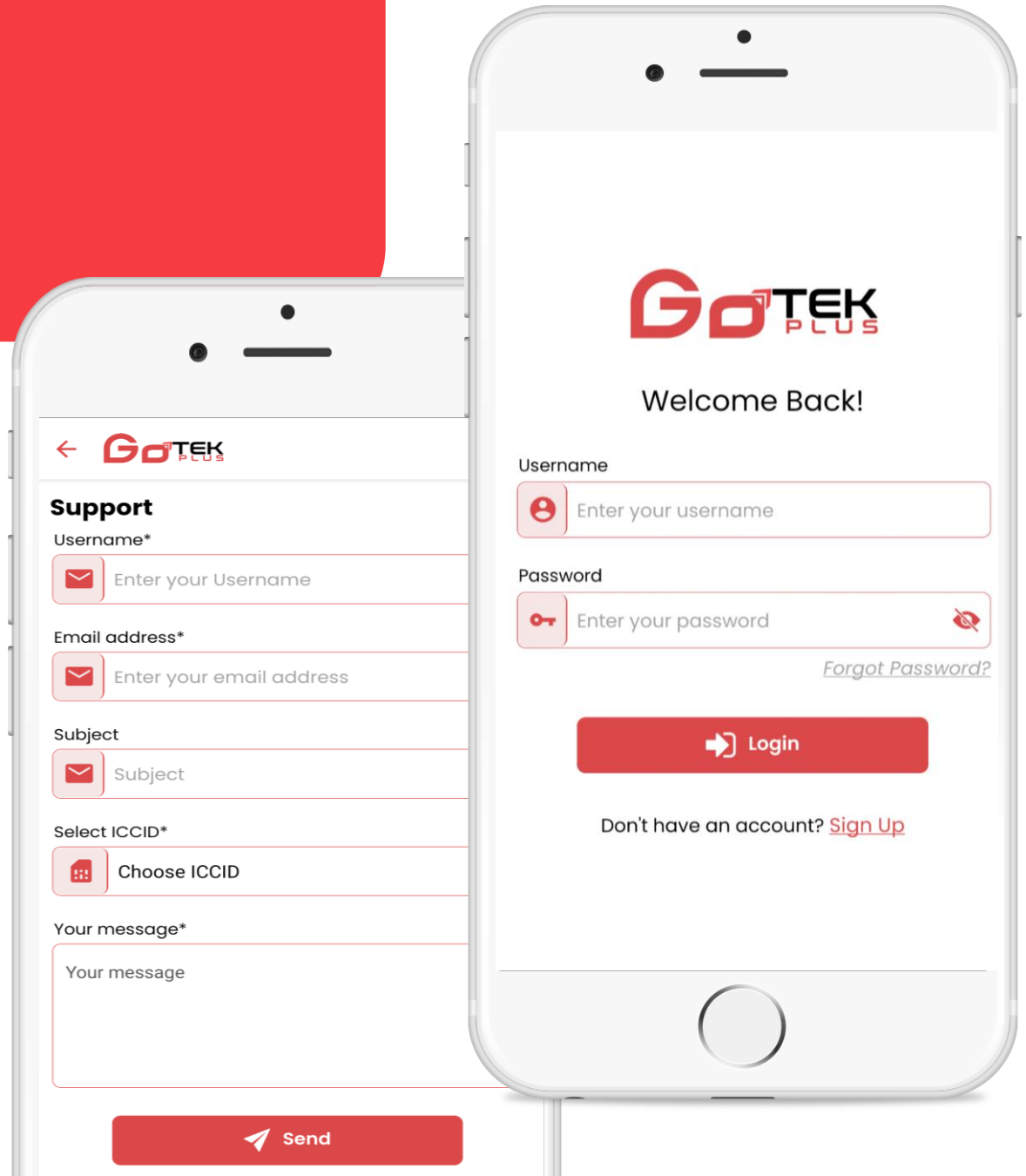
CLOUD MANAGEMENT PLATFORM, FLEXIBLE API

CONSUMPTION-BASED FLEXIBLE RATES

Gotek IoT Platform

Gotek Plus Mobile App

Simplifying what you need to run our service with ease, all in the convenience of an App. The App is customizable to have more features depending on the requirements. Some current features:



- **View remaining Data usage**
- **Purchase Data packages**
- **Submit support ticket**
- **View purchase transaction History**
- **View / Add ICCIDs**

OEM / Wholesale

Fast, flexible global connectivity and roaming services

Become our Network Partner

OEM / Wholesale

OEM

GoTek's eSIM iUICC solutions provide device-integrated global network connectivity and new revenue streams for Original Equipment Manufacturers (OEMs) and Module Vendors.

Wholesale / Whitelabel

GoTek's white-label wholesale solutions for global connectivity offer customers the ability to provide international roaming solutions, and enable enterprise customers to launch IoT services locally, as well as globally.

OEM Applications

Out-of-box global connectivity for OEM and M2M/IoT vendors

1. **Global Connectivity**
   Access to GoTek's 800+ network agreements and 4G LTE/3G coverage in 200+ countries worldwide, ensuring redundancy and reliability.

2. **Full API**
   Extensive APIs for management of rate plans and network connectivity.

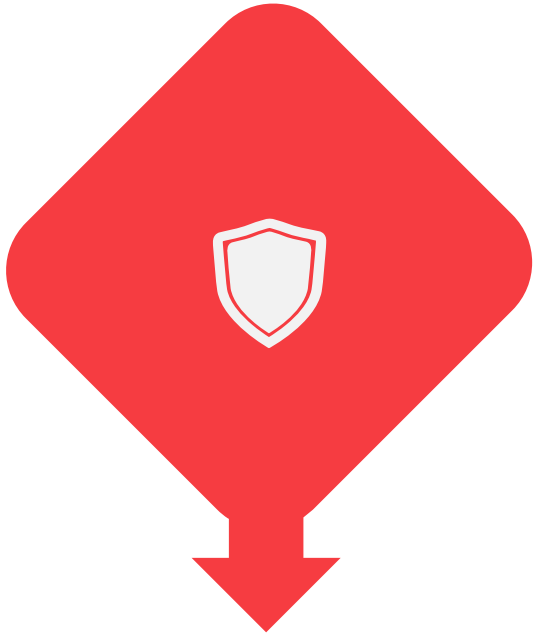
3. **Monitoring**
   Real-time monitoring systems with alerts, deep reporting, and analytics.

4. **New Revenue Opportunities**
   Diversifying and increasing recurring service revenues within the IoT/M2M markets.

5. **Flexible Provisioning**
   Flexible service provisioning, activation, and on-boarding. Seamless integration with no disruption for users and low upfront investment.

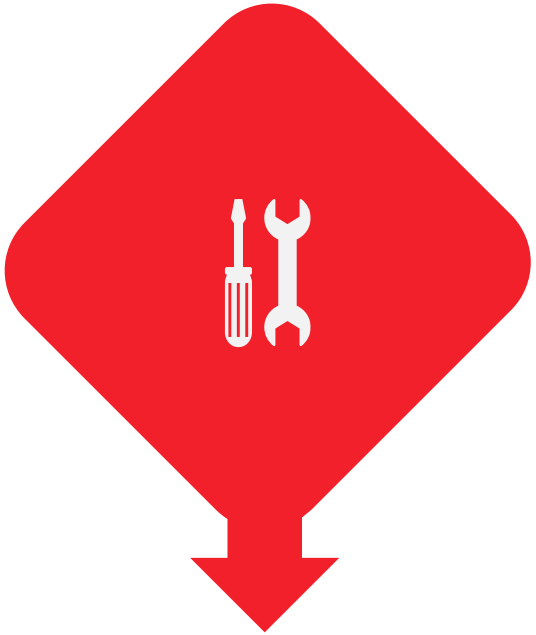
6. **Margin Share**
   Commercially generated revenue is shared with the device manufacturer, offering to enhance recurring income streams.

Benefits of Gotek's Whitelabel



Redundancy and reliability

With access to multiple networks in each country, there are no single points of failure, assuring increased reliability.



Seamless Integration

Dynamic network selection with on-demand, remote (over-the-air) provisioning of network credentials allows you to easily integrate with no disruption for end users and scale your business.

Faster time to market

Through GoTek's multi-IMSI connectivity hub, customers can receive worldwide coverage in one single agreement, with the flexibility to switch between profiles.

Delivery mechanisms

Flexibility to support all types of SIM cards, including eUICC, iUICC, eSIM, Programmable SIMs, and other innovative SIM card delivery mechanisms.

Benefits of Gotek's Whitelabel

Cloud-based platform

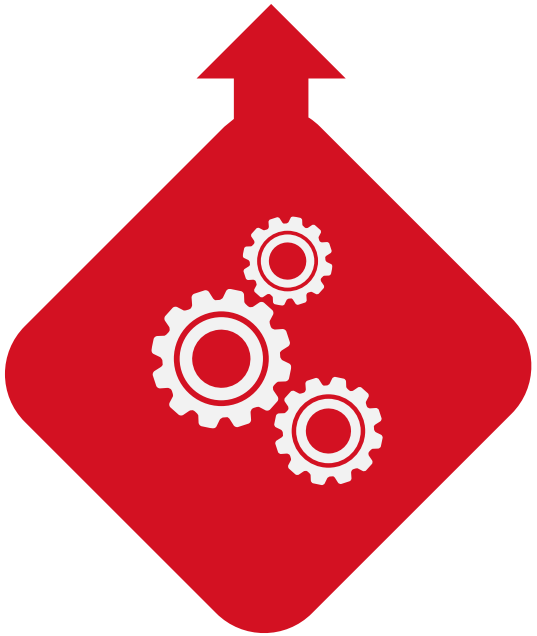
The management portal provides tools for customers to implement cost-management controls and use analytics to identify and respond to unusual device behavior in real time.

Centralized billing & management

Management of all devices and connectivity agreements from one cloud platform. One invoice to track usage across all networks globally.

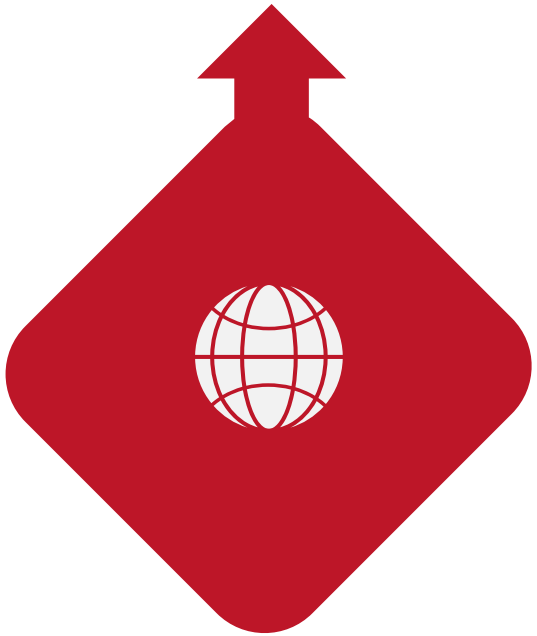
Flexible APIs

The management portal is built with extensive Application Programming Interfaces (APIs) allowing customers to integrate features into their own applications.



Robust, reliable global coverage

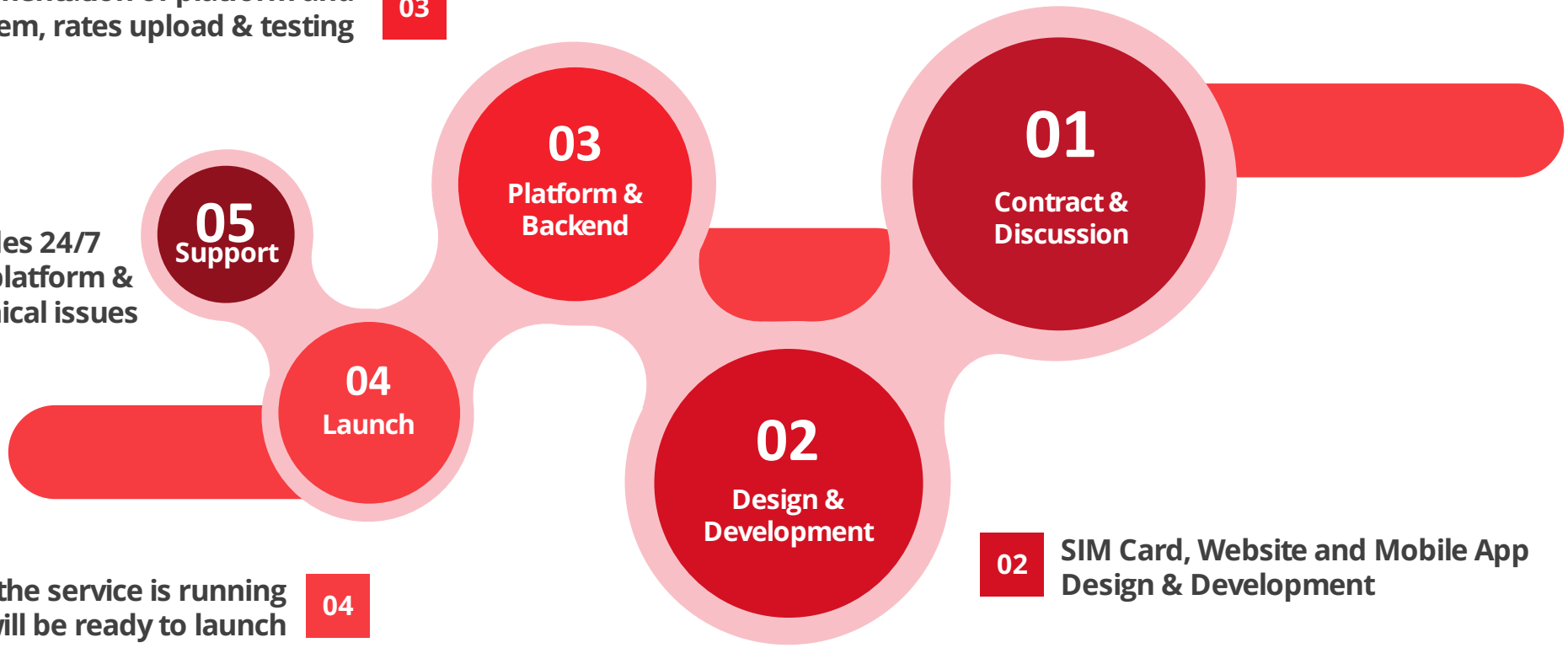
Multi-network connectivity in 200+ countries



Flow of work process

01 Project Discussion, Sign-off, Statement of Work

Implementation of platform and billing system, rates upload & testing 03



05 Gotek provides 24/7 support on platform & urgent technical issues

02 SIM Card, Website and Mobile App Design & Development

Ensuring the service is running seemingly, will be ready to launch 04

Our wholesale solution is a high performance, value-added service that brings together connectivity and management in a single bundle

MVNO / MNO

GoTek Telecom your global connectivity partner
with true end-to-end solutions

International Roaming

GoTek creates opportunities, with disruptive business models, for MVNOs to easily enter the international roaming business, by combining:

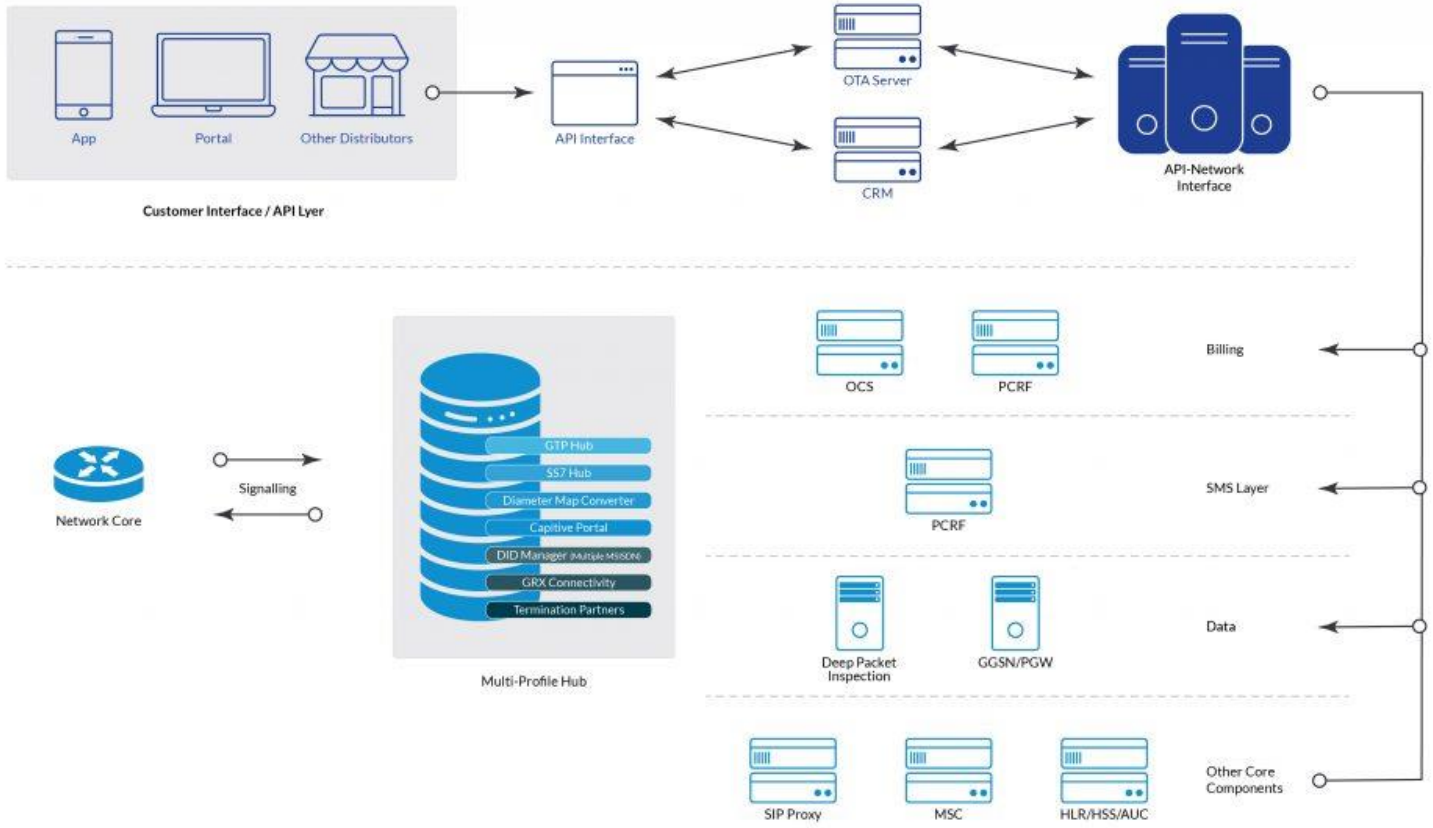
- **MULTI-IMSI HUB TECHNOLOGY**
- **SOFTWARE-DEFINED NETWORK INFRASTRUCTURE**
- **COMPLETE SUITE OF CLOUD-BASED MANAGEMENT TOOLS**

Choosing the right partner, with true end-to-end solutions, is the key factor for success.

Full MVNO Integration

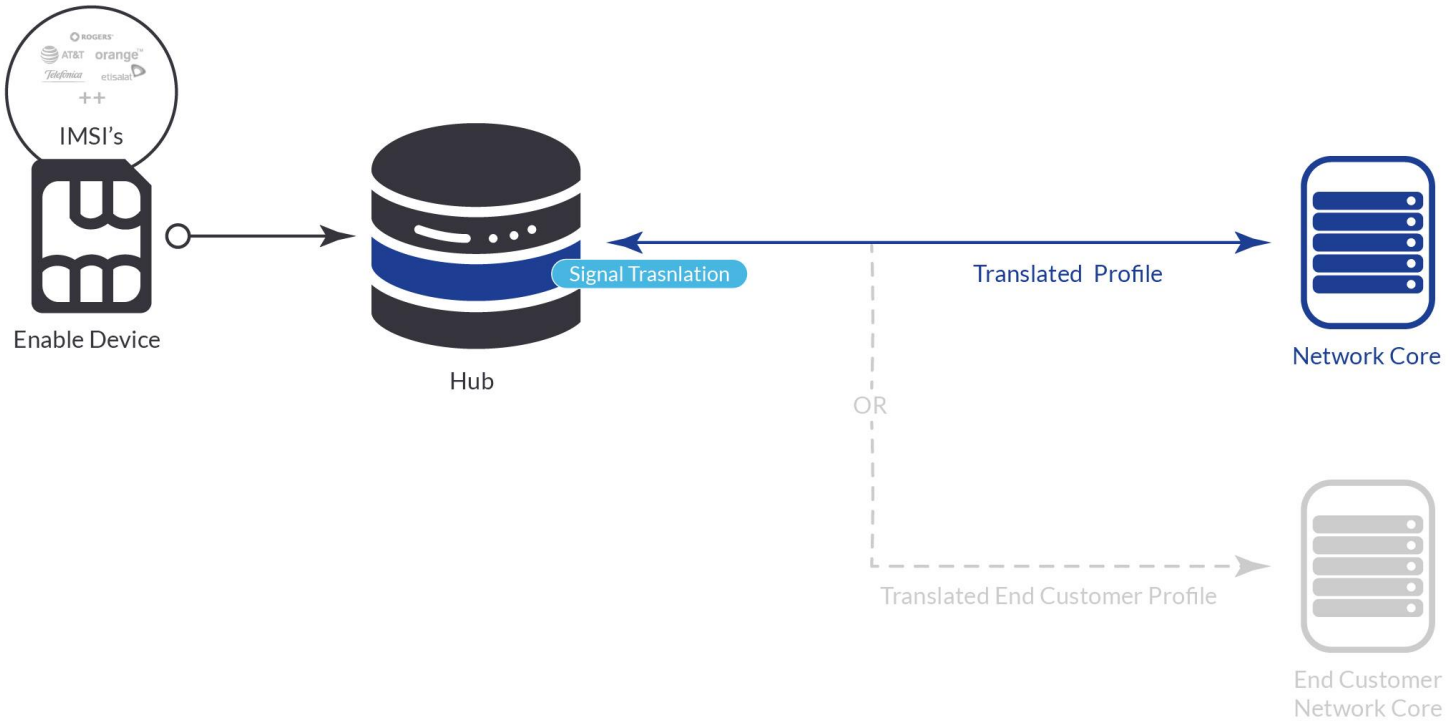
GoTek Telecom creates opportunities, with disruptive business models, for MVNOs to easily enter the international roaming business, by combining:

- **Multi/Dual-IMSI offering integrated into the native SIM Cards**
- **Fully integrated connectivity into the MVNO core network**



Light MVNO Integration

- **Profiles released to the MVNOs SIM vendor**
- **White label solutions with management app**
- **Fully virtualized core network, OSS/BSS to deliver Global Voice, SMS & data services**
- **Management is done through cloud portal or flexible APIs**
- **Scalable NaaS with immediate global connectivity**
- **Unique delivery mechanisms: iUICC supported OEM Devices, eSIM**



IoT / M2M Opportunities for MVNOs

High Bandwidth

- Wireless Office Connectivity
- Wireless LAN Back Up
- Digital Signage
- Video (Security)
- Residential Routers
- 3D Printing

- Video (Broadcast)
- Drone/UAV
- Automotive
- Autonomous
- Transportation Telemetry & Diagnostics
- Nautical / Airline / Railroad

Fixed Location

Variable Location

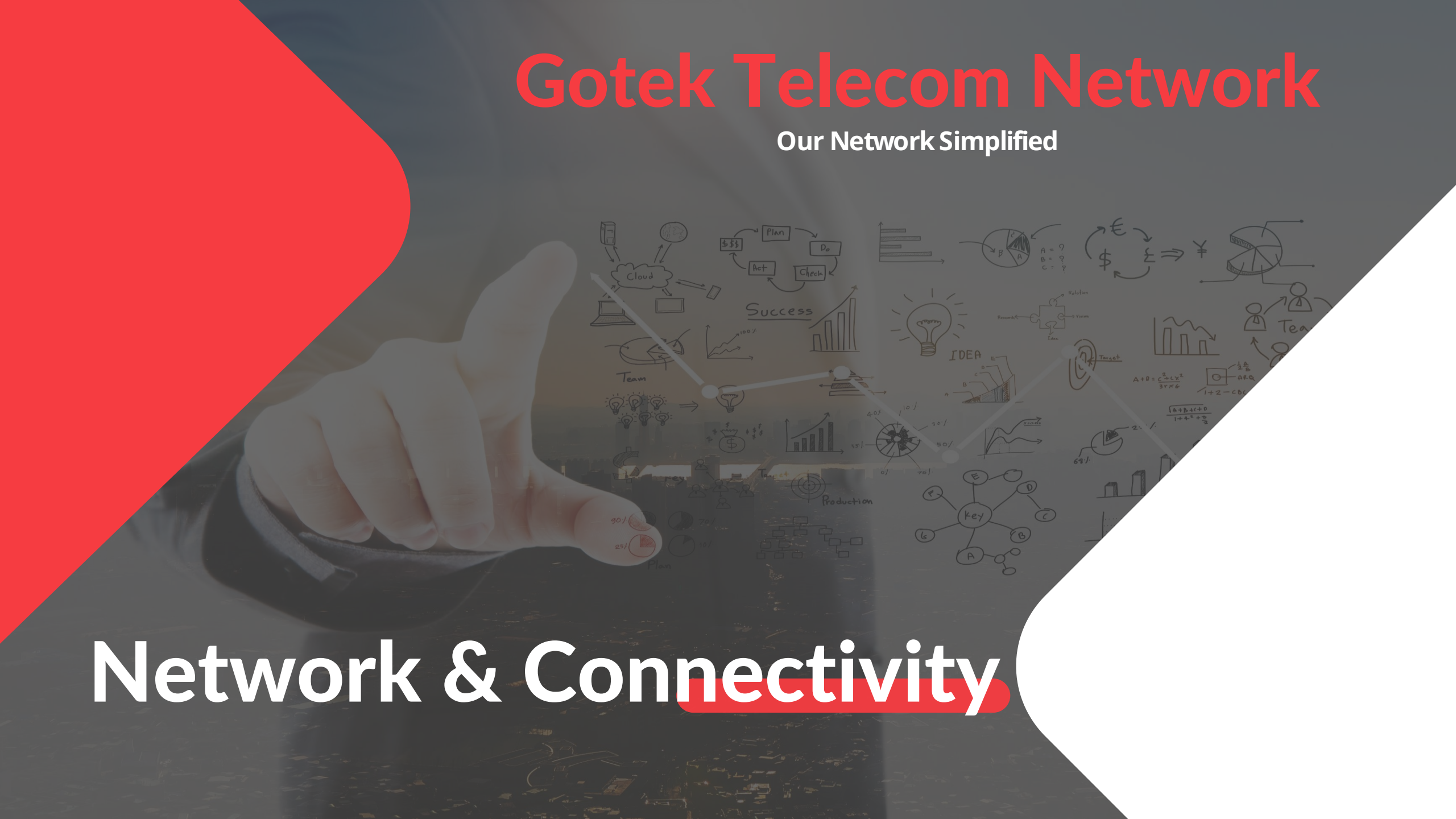
- Home Automation
- Industrial Internet
- Machines
- Energy/Smart Meters
- Robotics
- Municipal Apps
- Self—Service Solutions
- Parking Meters
- ATMs

- Consumer
- Wearables
- Healthcare
- Trackers
- Industrial
- AVL
- Pick Up and Delivery
- Module Sensor Arrays

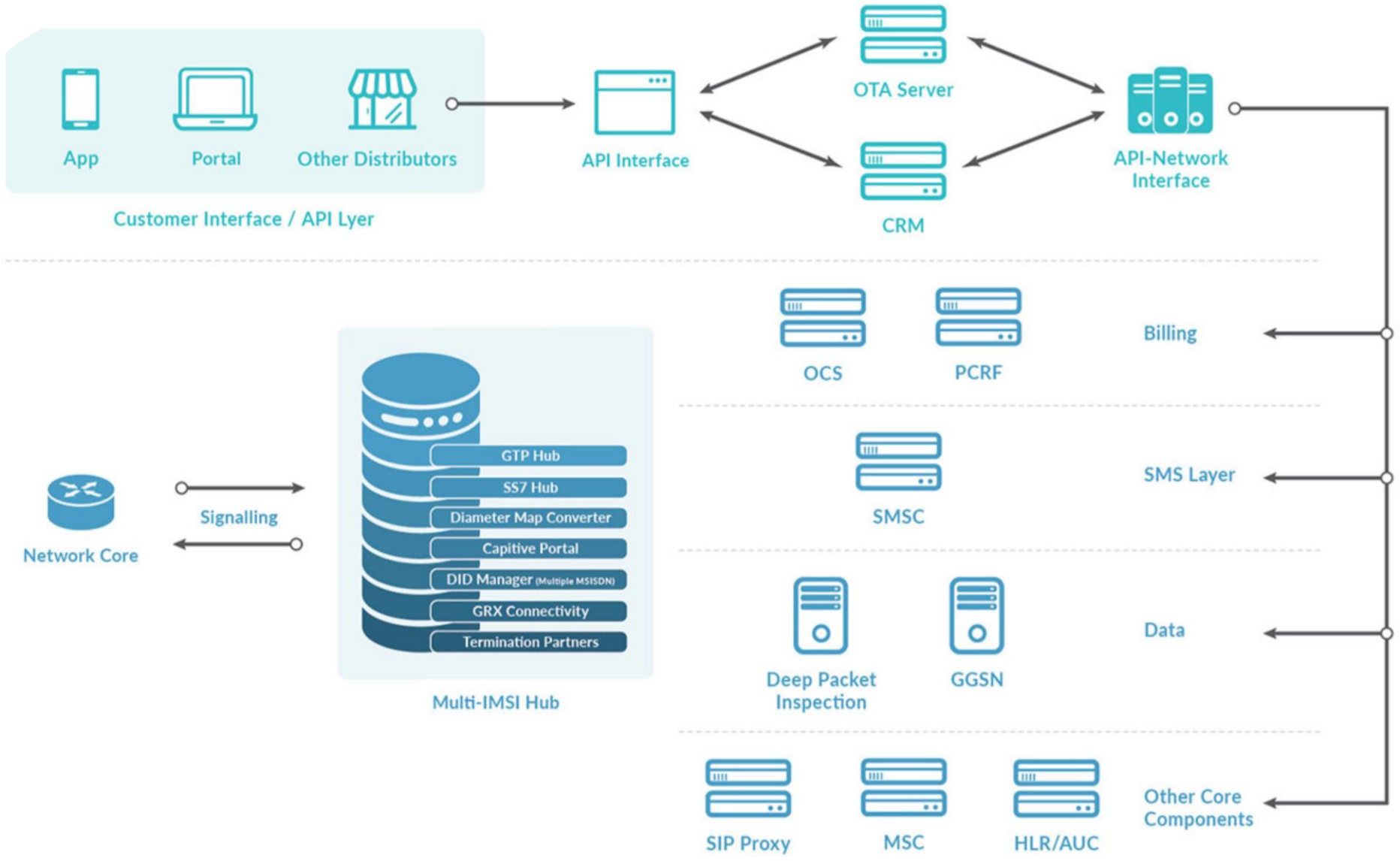
Low Bandwidth

Gotek Telecom Network

Our Network Simplified



Network & Connectivity



Network in a Box

Gotek's fully vertically integrated infrastructure enables out-of-the box connectivity for any service provider

Gotek operates a proprietary Multi-IMSI Connectivity Hub that ensures:

Reliability

No single point of failure. Access to multiple networks in each country

Cost-Effectiveness

Lowest prices by seamlessly accessing rates from network partners

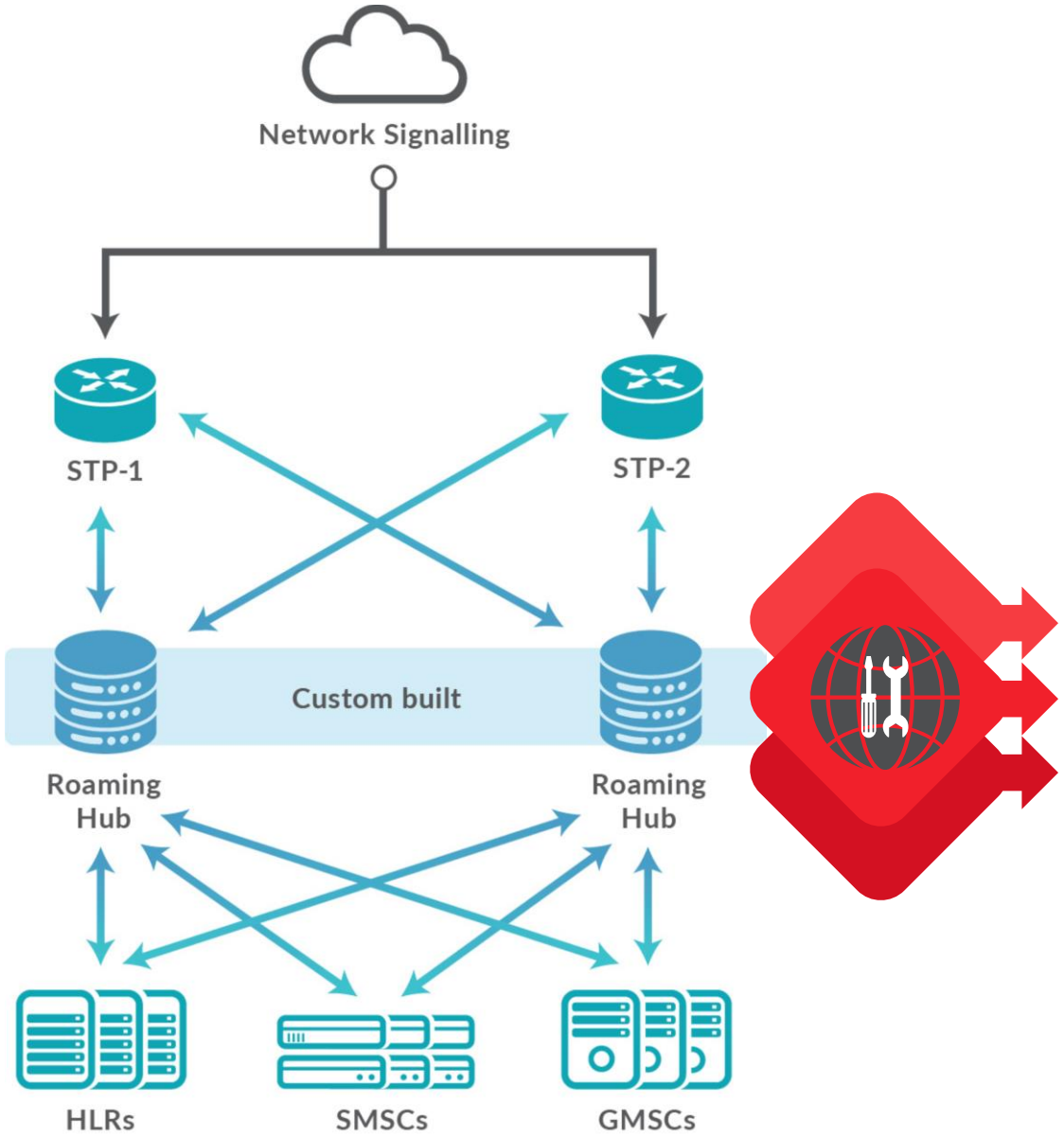
Scalability

Supports dynamic network selection with remote on-demand provisioning (over-the-air) of network credentials

Additional Features

IP management, secure private access point name (APN) networks and virtual private network (VPN) connectivity to data center or cloud infrastructure

Core network infrastructure (HLR-HSS, GGSN, OCS, PCRF, SMSC)



Core Network Infrastructure

Gotek Telecom offers a managed, scalable & flexible Carrier-grade platform consisting of SCP, OCS, GGSN/PCRF, HLR/HSS, IN, VAS, OSS/ BSS that can be leveraged as per MNO/MVNO's requirements.

Network Features

Gotek operates its own core network infrastructure similar to a Tier 1 operator.

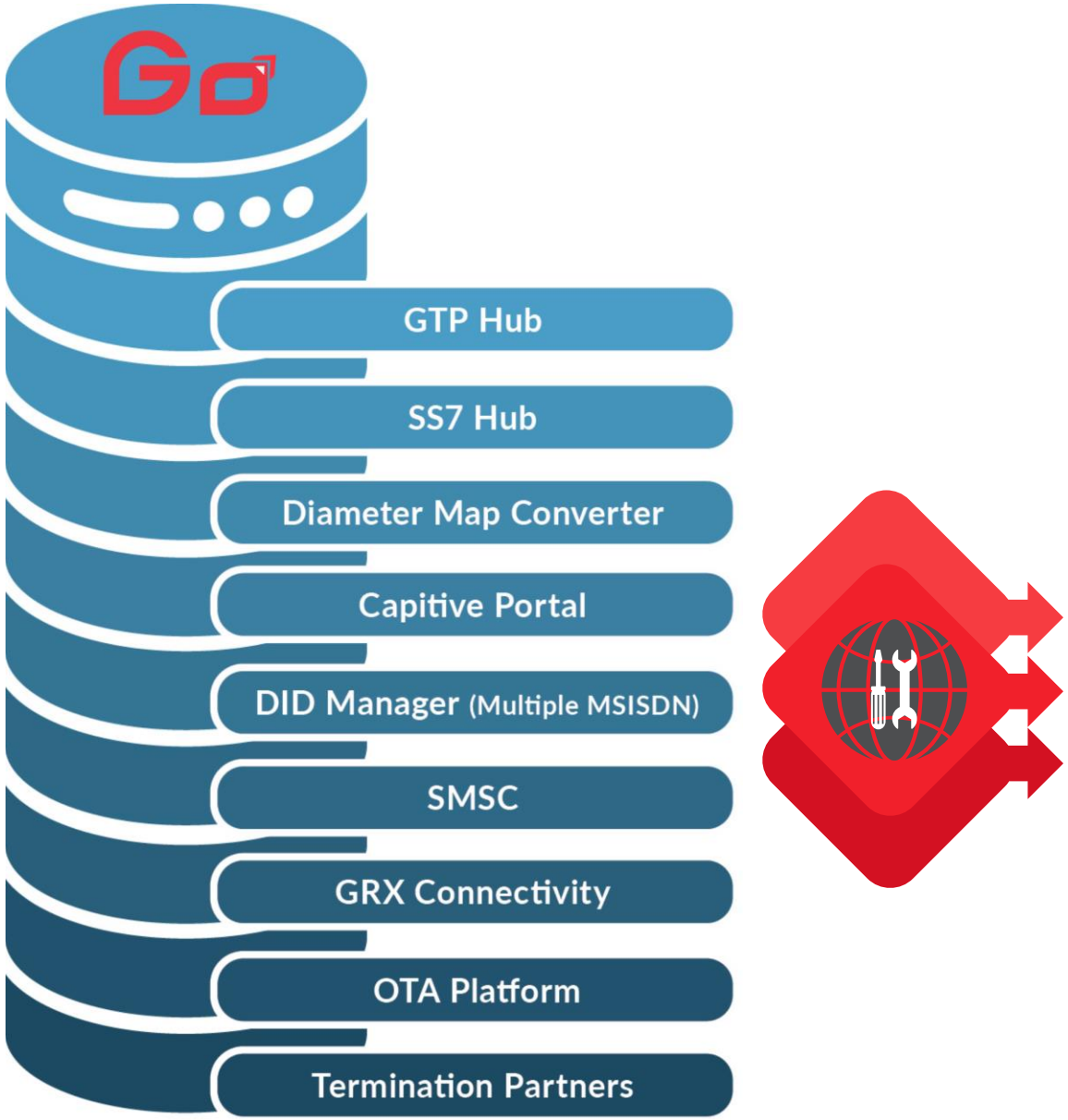
- ✓ Complete network core: HLR/HSS, GGSN, SMSC etc
- ✓ Data (2G/3G/LTE), Voice (Camel, USSD) & SMS
- ✓ Custom Billing Platform that supports multiple rate sheets
- ✓ Real-Time Billing (1KB increments, pre-paid and post-paid)
- ✓ Deep Packet Inspection (DPI) capabilities

Extensive APIs give service providers network level control of the infrastructure

- ✓ Real-time generation of CDRs, Location Updates and Data Sessions
- ✓ Ability to enable/disable and group SIMs based on billing needs

Proprietarymulti-IMSI Connectivity Hub provides access to multiple networks per country/region. System offers redundancy, coverage and reliability that is unmatched by a single-IMSI MNO

Connectivity Hub



GOTEK TELECOM

Gotek Connectivity Hub transforms any Single IMSI network into a scalable Multi-IMSI network

Gotek Telecom offers a managed, scalable & flexible Carrier-grade platform consisting of SCP, OCS, GGSN/PCRF, HLR/HSS, IN, VAS, OSS/ BSS that can be leveraged as per MNO/MVNO's requirements.

Features

Signaling from all provisioned IMSIs is directed to the Gotek Connectivity Hub.
The Hub translates the signaling into a single IMSI that is provisioned on the host HLR

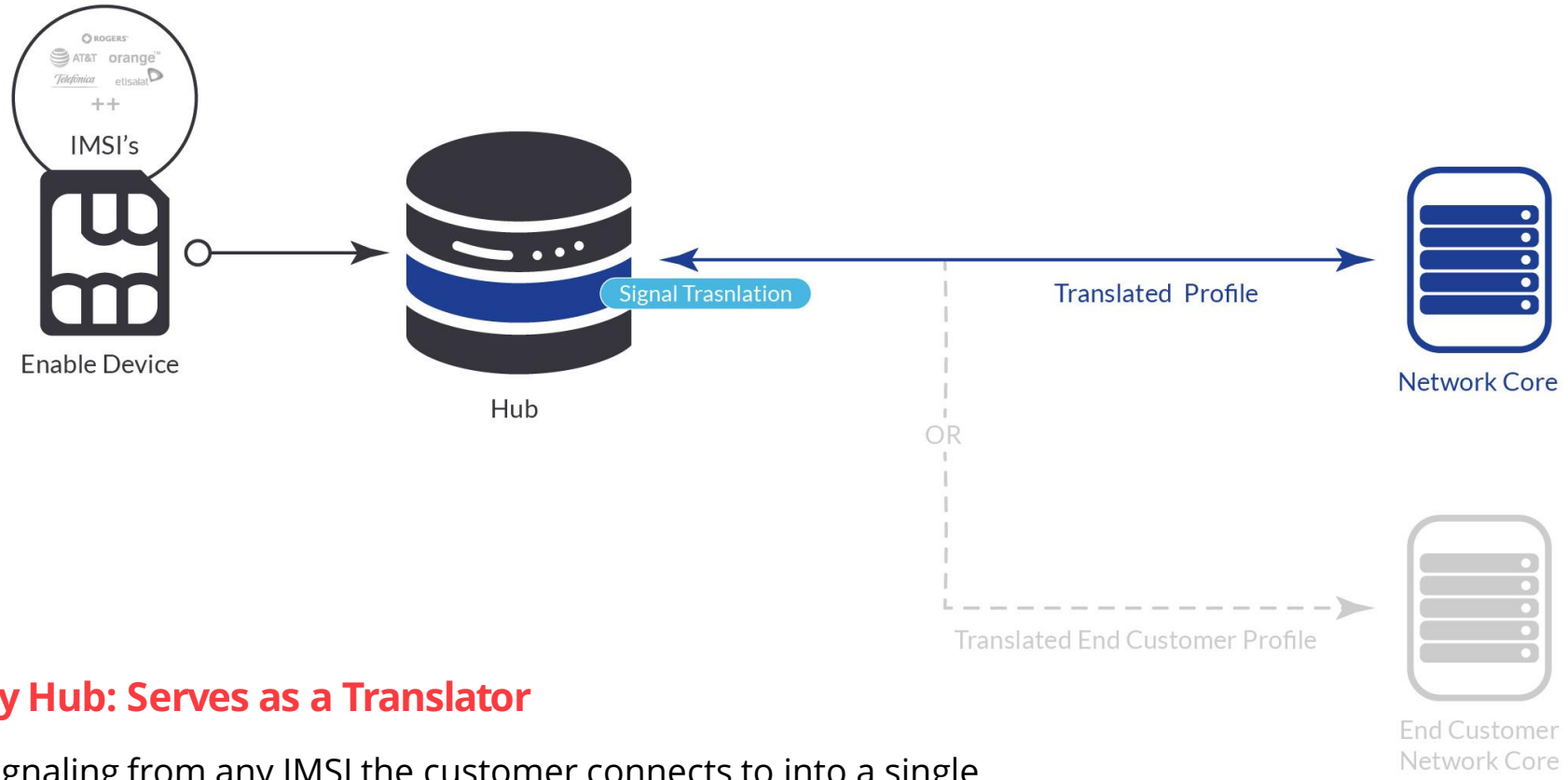
- ✓ From the perspective of the host network's core and billing platform there is only a single IMSI
- ✓ Allows for Multi MSISDN

End customer's network core does not need to keep track for multiple wallets and rate sheets attached to each IMSI

- ✓ The Hub would translate all the traffic across various IMSIs to the end customer's single IMSI

End customers can leverage our Connectivity Hub for customized network deployments due to separate translators for Voice, Data and SMS

Signal Translator

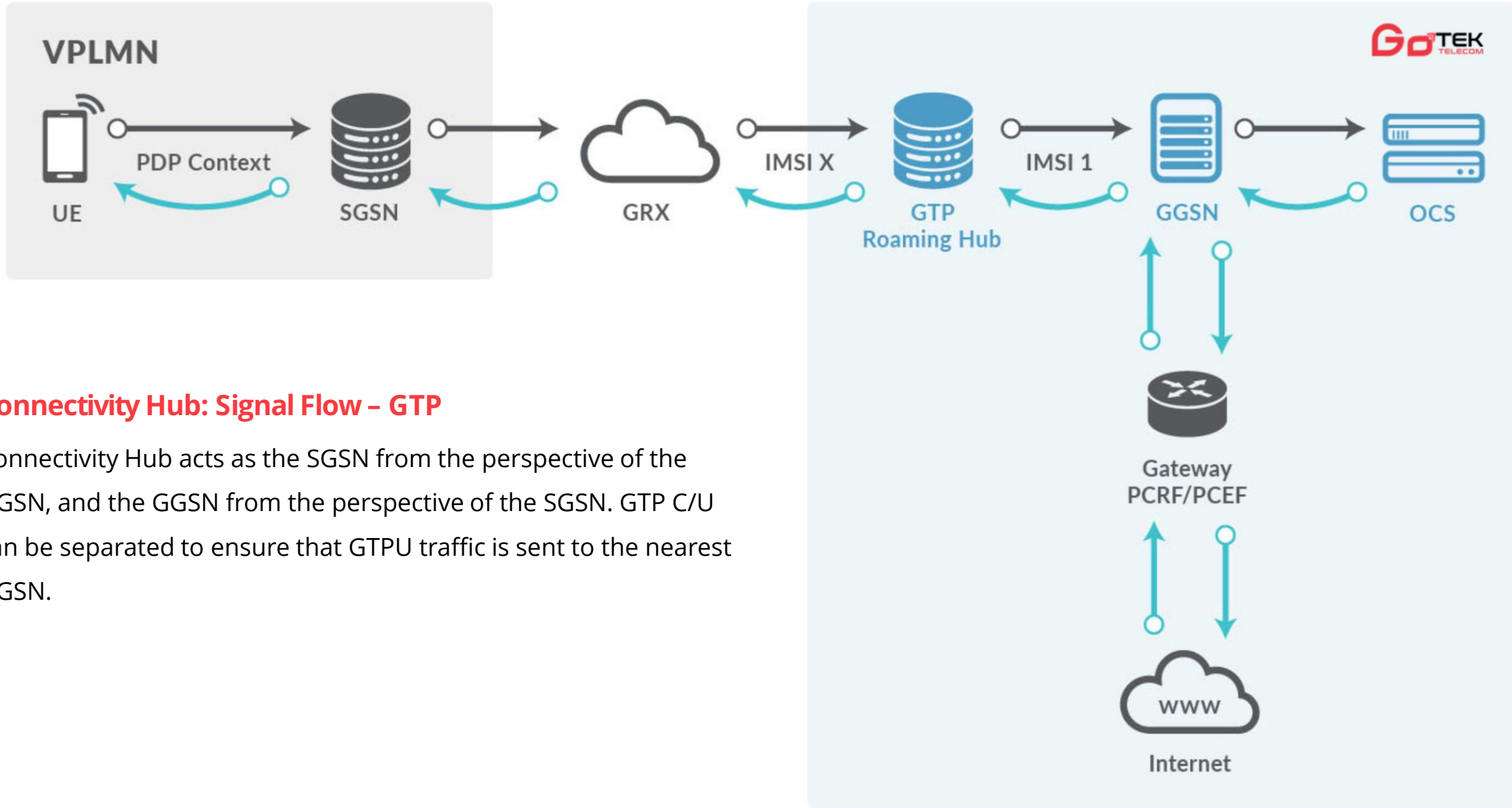


Connectivity Hub: Serves as a Translator

Converting signaling from any IMSI the customer connects to into a single one that is mapped to their billing account

- ✓ Hub can send signaling to either Telna's core or another networks core
- ✓ Capability to mix-and-match core elements (Telna's HLR and customers GGSN or vice-versa)

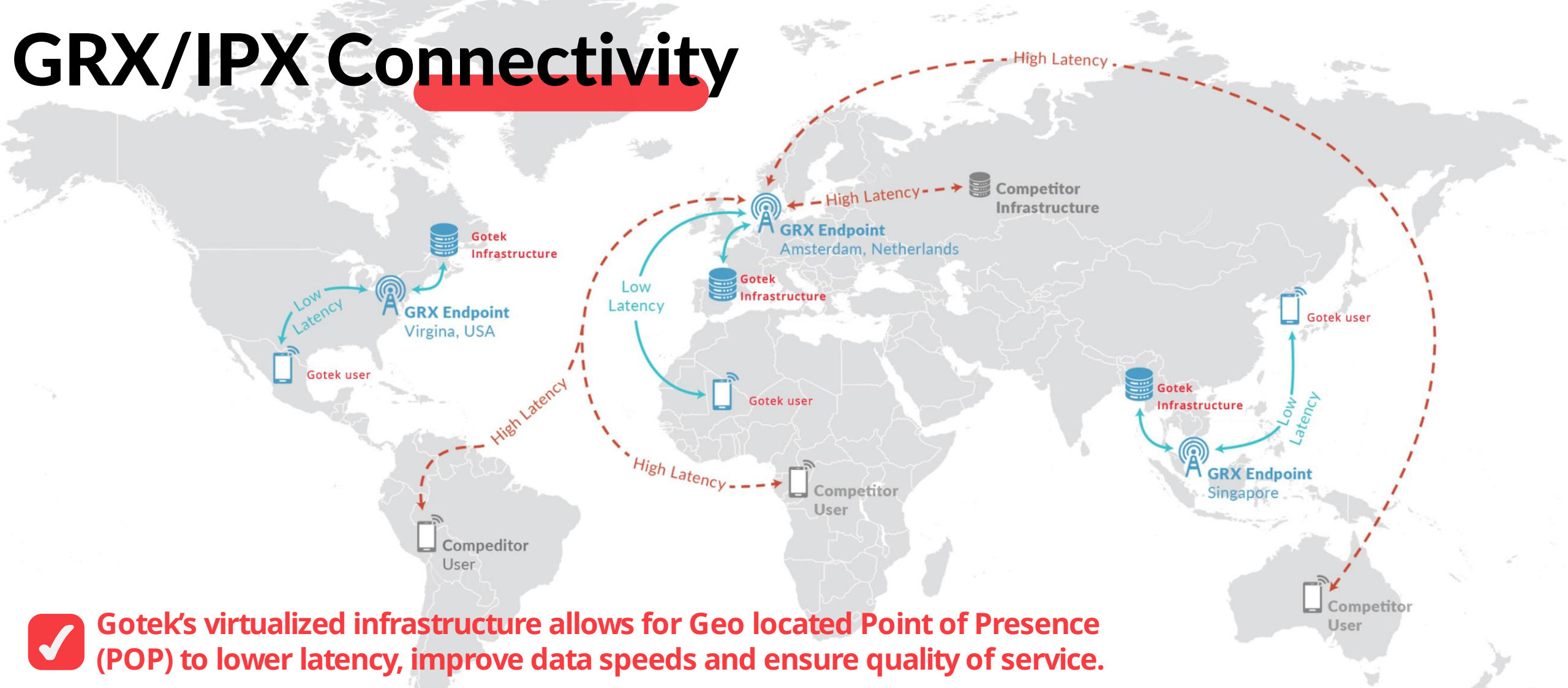
Signal Flow



Connectivity Hub: Signal Flow – GTP

Connectivity Hub acts as the SGSN from the perspective of the GGSN, and the GGSN from the perspective of the SGSN. GTP C/U can be separated to ensure that GTPU traffic is sent to the nearest GGSN.

GRX/IPX Connectivity

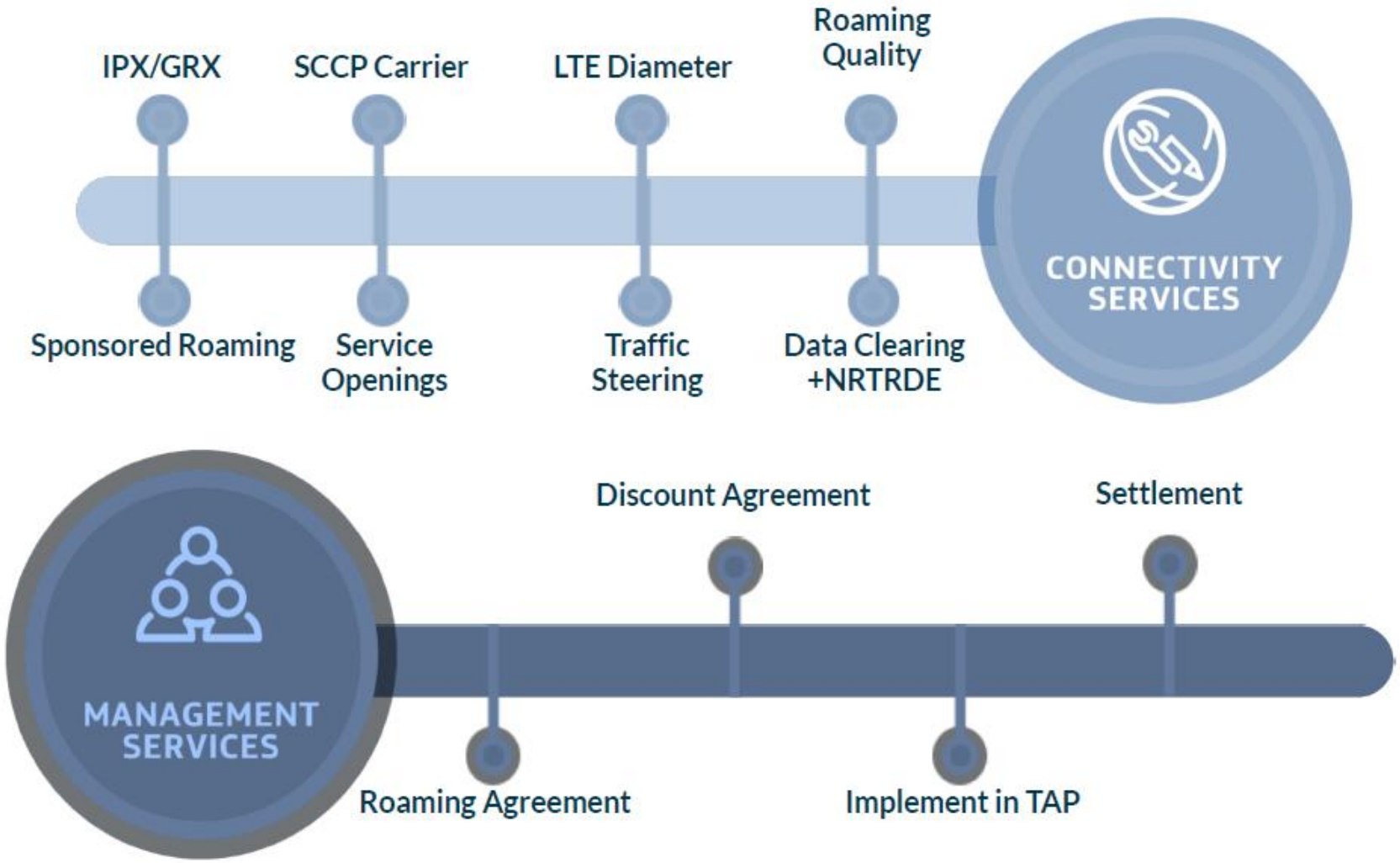


Gotek's virtualized infrastructure allows for Geo located Point of Presence (POP) to lower latency, improve data speeds and ensure quality of service.

Flexibility offered through our virtualized core & Connectivity Hub

- ✓ Virtualized network core can be deployed on demand at required data centers to allow for traffic routing to the nearest GRX/IPX point in the region
- ✓ Multiple GGSNs provide redundancy and facilitate scalability required for vast number of connected devices
- ✓ Data traffic does not have to be routed back halfway across the world

Connectivity Management



✓ **Gotek offers MNO/MVNOs a set of global roaming services unifying connectivity & management**

Management Portal Features

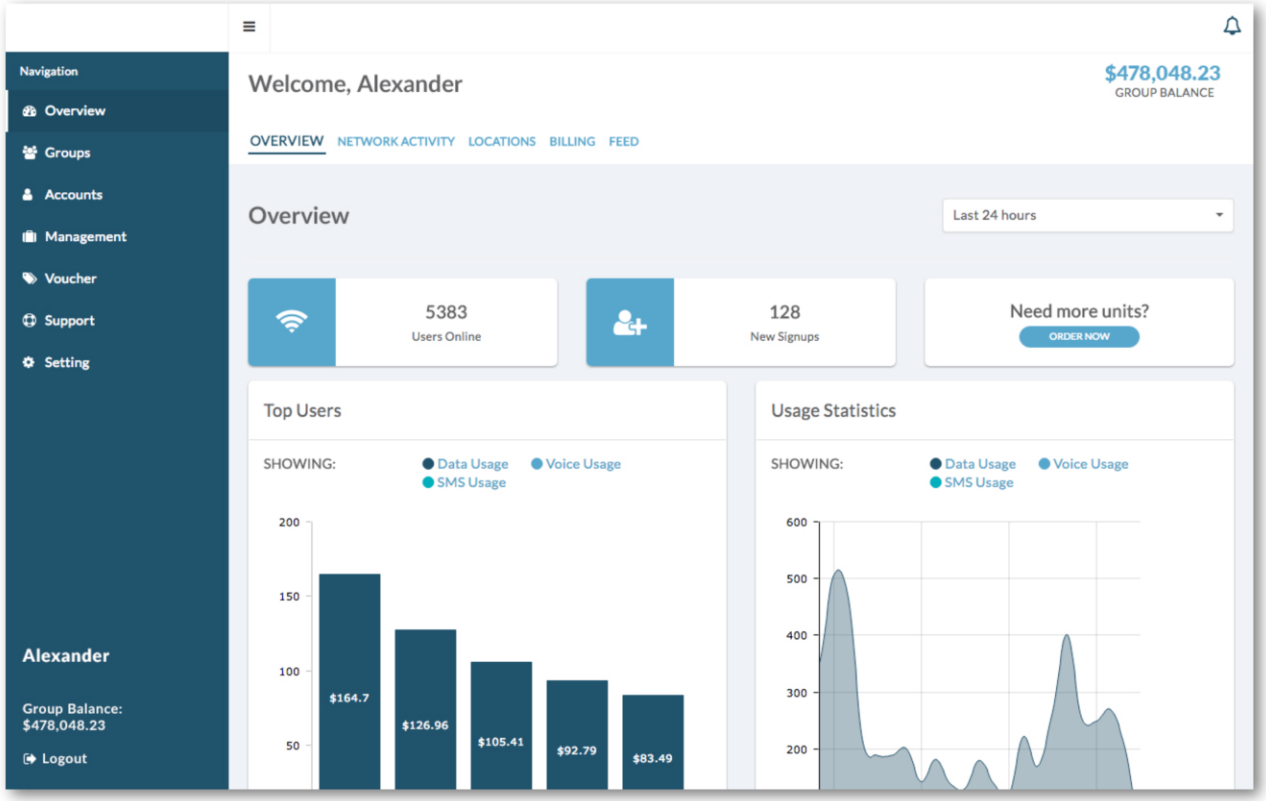
Gotek Management Portal provides tools for MNO/MVNOs to implement cost management controls and use analytics to identify and respond to unusual device behavior in real time.

Real-time cost monitoring and controls help lower total cost of ownership and eliminate unexpected spend

- ✓ Retrieve call detail record (CDR) files on a real time basis. Provides detailed statistics regarding the device with respect to connectivity sessions, usage etc
- ✓ Eliminate unpredictable spend and lower overall cost by as much as 50% with automation rules, remote diagnostics, and rate plan optimization

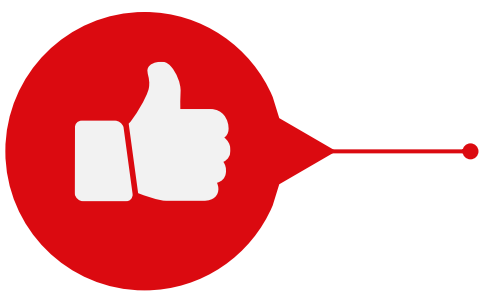
Ability to optimize and switch between networks in each country based on costs

Easy-to-read monthly reports that present this information alongside usage statistics and summaries



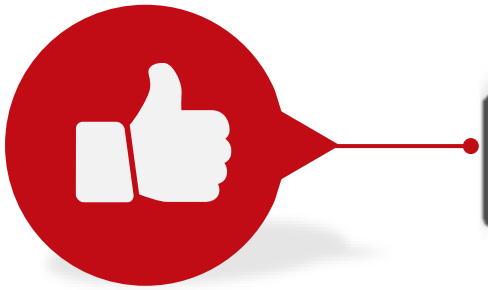
Delivery Mechanism

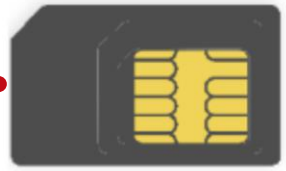
Gotek proprietary Multi-IMSI network supports different form factors based on the application requirements



M2M Standard SIM

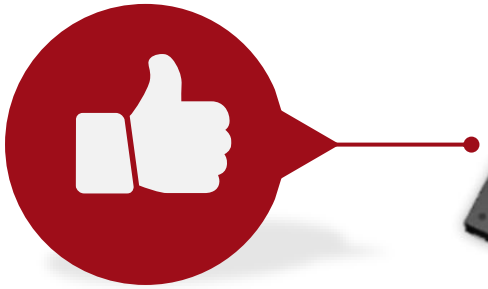
- All variations of punch-out: 2FF, 3FF or 4FF
- On-demand activation (ODA) & remote Over-the-Air maintenance (OTA) supported
- Manufactured in GSMA approved facilities

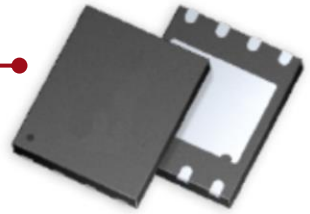




M2M Industrial SIM

- Functionality and form factor same as the Standard SIM
- Designed to survive extreme vibration, temperature, and humidity common to M2M applications
- Special smart card microcontroller used to withstand and integrate into industrial manufacturing processes





M2M Soldered Mounted SIM

- Directly soldered onto a printed-circuit board
- Bare die, flip chip and wire bonded modules, and SMD packages
- Industrial grade – meets industrial qualification (JEDEC)

The Future

Gotek Telecom thrives to advance in parallel with the latest telecom technology advancements, to innovate new ideas and lead in the telecom industry

Some of the near future changes and upgrades (end-user frontend) include but not limited to:

Direct Voice Calling

Integration is under process to add direct voice calling with low rate international calling & High Quality GSM codecs

Mobile App Changes

We are constantly upgrading Gotek Plus mobile app with new features and services, some of them are, in-app texting service, voice calls log & balance, and more !!

Contact Us

Got a question ?

We would love to hear from you. Get in touch with us and we'll get back to you soonest possible.

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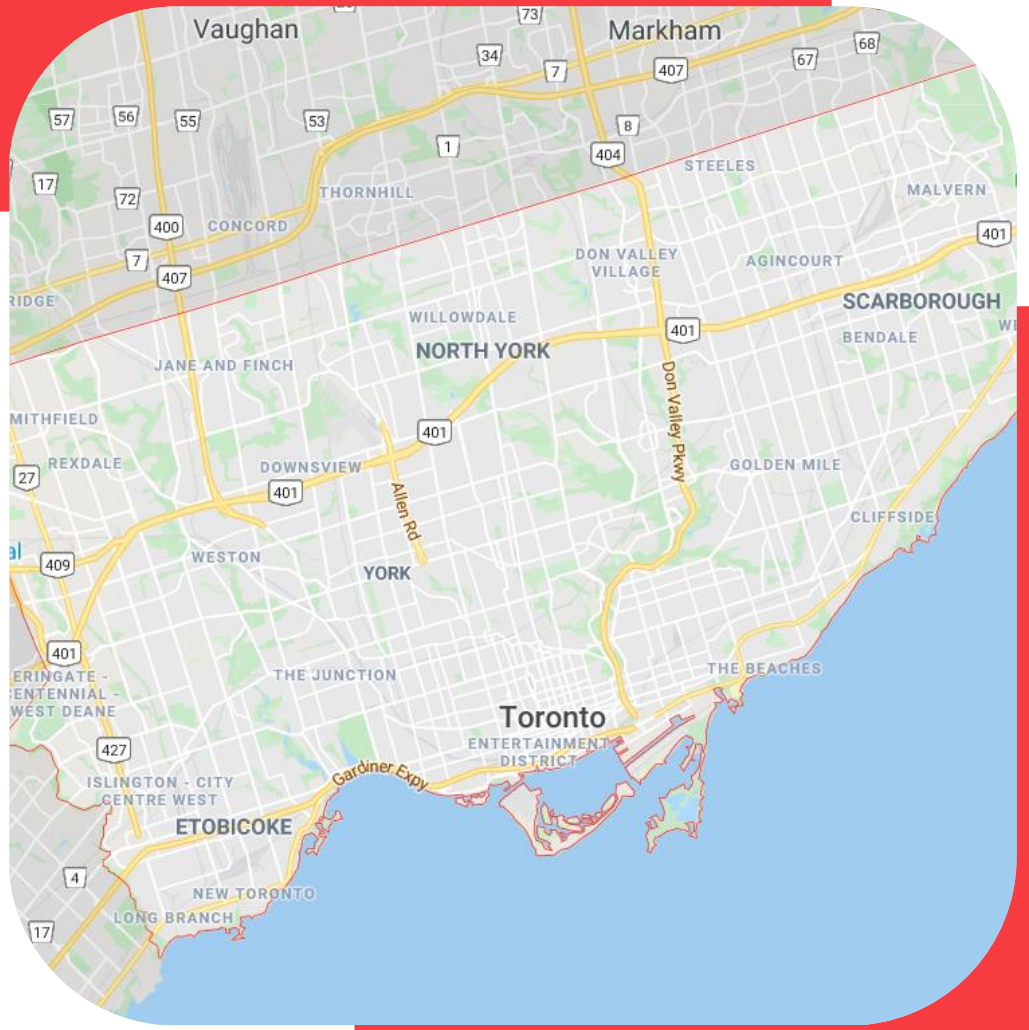

GoTEK TELECOM

Where Ideas turn into Innovation

THANK YOU